PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220 well as, where applicable, item 5 below.					
S 7173-Ro	ACTION	as well						
International application No.	International filing date (day/mon	h/year)	(Earliest) Priority Date (day/month/year)					
nam (7722004 (000409	27/07/2004		29/07/2003					
PCT/EP2004/008408	27/07/2004	•	28/07/2003					
Applicant								
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SAP AKTIENGESELLSCHAFT		 						
This International Search Report has beer according to Article 18. A copy is being tra	prepared by this International Seansmitted to the International Burea	rching Auth	ority and is transmitted to the applicant					
This International Search Report consists	of a total ofsh	eets.	·					
It is also accompanied by a copy of each prior art document cited in this report.								
Basis of the report								
 With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 								
The international this Authority (Rul		of a transla	ation of the international application furnished to					
b. With regard to any nucleo	tide and/or amino acid sequence	disclosed i	in the international application, see Box No. I.					
2. Certain claims were four	nd unsearchable (See Box II).							
3. X Unity of invention is lack	dng (see Box III).							
4. With regard to the title,								
X the text is approved as su	bmitted by the applicant.							
the text has been establis	hed by this Authority to read as follo	ows:						
	,		•					
		•						
•								
	•							
5. With regard to the abstract,			•					
X the text is approved as su	bmitted by the applicant.		•					
the text has been establis	hed, according to Rule 38.2(b), by	this Authorit	y as it appears in Box No. IV. The applicant th report, submit comments to this Authority.					
· · · · · · · · · · · · · · · · · · ·	and date of maning of this interite	ज्याच्या उच्छा (arroport, outsile communicate and realismy.					
6. With regard to the drawings,								
a. the figure of the drawings to be published with the abstract is Figure No. 2.								
X as suggested by t	X as suggested by the applicant.							
	as selected by this Authority, because the applicant failed to suggest a figure.							
as selected by this Authority, because this figure better characterizes the invention.								
b none of the figures is to be	published with the abstract.							

INTERNATIONAL SEARCH REPORT

International Application No

_10	<u> </u>		PC1/EP200	4/000400		
A CLASSI IPC 7	FICATION OF SUBJECT MATTER G06F9/46					
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC	-i			
B. FIELDS	SEARCHED			·		
Minimum do IPC 7	ocumentation searched (classification system followed by classification $G06F$	ion symbols)				
Documentat	tion searched other than minimum documentation to the extent that s	uch documents are inch	dad in the fields cas	mbod		
		·		id lov		
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical,	search terms used)			
EPO-In	ternal, INSPEC		•			
				·		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the rel	evant passages		Relevant to claim No.		
х	WAANANEN A ET AL: "An overview architecture proposal for a high		1-3			
	physics Grid"		. '			
	APPLIED PARALLEL COMPUTING. ADVA SCIENTIFIC COMPUTING. 6TH INTERN	ATIONAL	•			
	CONFERENCE, PARA 2002. PROCEEDIN (LECTURE NOTES IN COMPUTER SCIEN					
	VOL.2367) SPRINGER-VERLAG BERLIN	, GERMANY,				
	June 2002 (2002-06), pages 76-86 XP002306966	•				
	ISBN: 3-540-43786-X					
	page 78 - page 81					
γ	page 80; figure 1 page 80; figure 1	•	,	4-6		
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		·				
X Furth	er documents are listed in the continuation of box C.	Patent family m	embers are listed in	annex.		
° Special cate	egories of cited documents :	T later document publi	shed after the inten	national filing date		
	"A" document defining the general state of the art which is not considered to be of particular relevance "Taker document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the					
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or carnot be considered to						
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the						
other m	"O" document reterring to an oral disclosure, use, exhibition or other means of the					
P documer later tha	nt published prior to the international filing date but an the priority date claimed	in the art. "8" document member of	of the same patent fa	umily		
Date of the a	ctual completion of the international search	Date of mailing of th	e international searc	·		
7	December 2004		2 3. 03.	2005		
Name and ma	alling address of the ISA	Authorized officer				
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel (-31-70) 340-2040 Tv - 31 651 ero ni		-			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Dewyn,	ı			

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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/008408

<u> </u>		10171720	04/008408
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.		
Х	B. KONYA: "The NorduGrid Information System"		1-3
	16 September 2002 (2002-09-16), , XP002306967		
	Retrieved from the Internet: URL:http://www.nordugrid.org/documents/ng-		
•	infosys.pdf> page 4 - page 6 page 5; figure 1		
,	page 5; figure 1		4-6
,	B. KONYA ET AL: "The NorduGrid architecture and tools"		4-6
	March 2003 (2003-03), XP002306968 Retrieved from the Internet: URL:http://www.nordugrid.org/documents/MOA		
	T003.pdf> page 2, right-hand column, line 26 - line		
	33 page 3, right-hand column, line 19 - line 24		
	page 8; figure 4		
	GAWOR ET AL: "CoG Kits: A Bridge between Commodity Distributed Computing and High-Performance"		1-6
	June 2000 (2000-06), , XP002306969 Retrieved from the Internet: URL:http://www-unix.mcs.anl.gov/~laszewsk/		
	papers/cog-final.pdf> the whole document		
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INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/008408

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)						
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:						
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:						
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)						
This International Searching Authority found multiple inventions in this international application, as follows:						
see additional sheet						
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:						
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
1-6						
Remark on Protest The additional search fees were accompanied by the applicant's protest.						
No protest accompanied the payment of additional search fees.						

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

A graphical user interface, representing a structure with columns and rows, the rows representing services in a grid computing network, the rows structured hierarchically with respect to an application where a service belongs, a type of service and concrete service instances.

2. claim: 7

A method comprising receiving a request to view a sub grid network, the sub grid representing a root node and nodes with inferior relations to the root node, the nodes representing grid managers managing services in the grid network:

querying a grid manager representing the root node for its status and adresses of nodes with inferior relations; querying inferior grid managers for current status; displaying a state of the root and inferior grid managers and for each grid manager, a computer system running the grid manager.